

PHYSEOPARDY

Circuits

Fill in
The _____

Series
Or
Parallel?

Magnets

Solving
Problems

\$100

\$100

\$100

\$100

\$100

\$200

\$200

\$200

\$200

\$200

\$300

\$300

\$300

\$300

\$300

\$400

\$400

\$400

\$400

\$400

\$500

\$500

\$500

\$500

\$500

You have selected an area of the board not in play.

OOPS!

[Click here to go back to the main board](#)

Circuits - *\$100*

Would this bulb light up?



ANSWER

Circuits - \$200

In order to form a proper electric circuit, you need to have

- a. wires or conductors to connect everything.
- b. a voltage source.
- c. a light bulb or some resistance.
- d. a complete path for the current.
- e. all of the above

ANSWER

Circuits - \$300

A light bulb is a kind of

- a. battery.
- b. resistor.
- c. voltmeter.
- d. None of the above

ANSWER

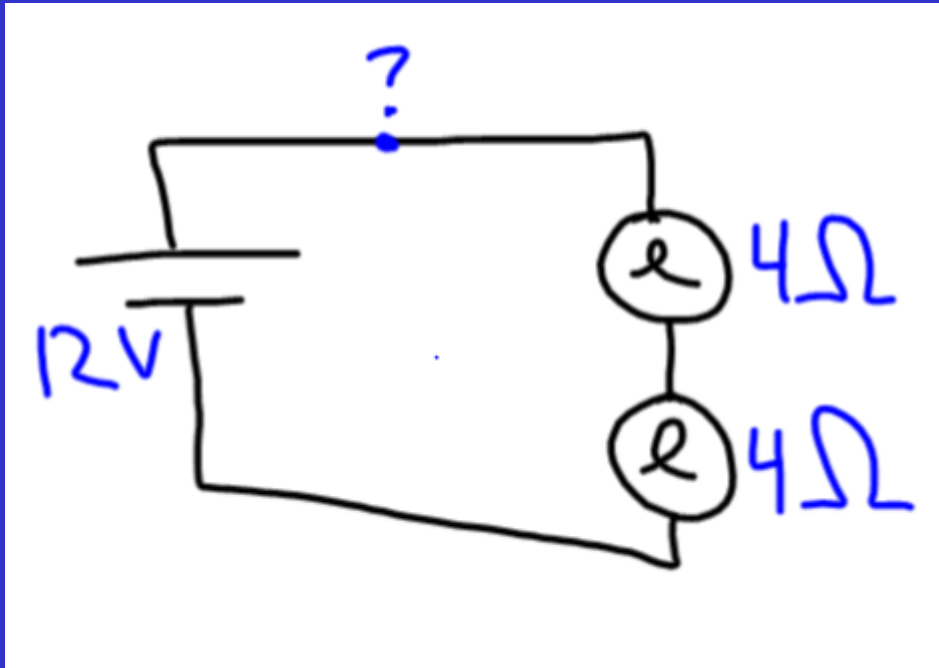
Circuits - \$400

If I kept the same voltage, but added more resistance to the circuit, what would happen to the current?

ANSWER

Circuits - \$500

What is the current at “?”



ANSWER

Fill in the _____ - \$100

Magnets are _____.

ANSWER

Fill in the _____ - \$200

Series circuits have

_____.

ANSWER

Fill in the _____ - \$300

Resistance is the _____
of _____.

ANSWER

Fill in the _____ - \$400

Parallel circuits have _____
than _____ .

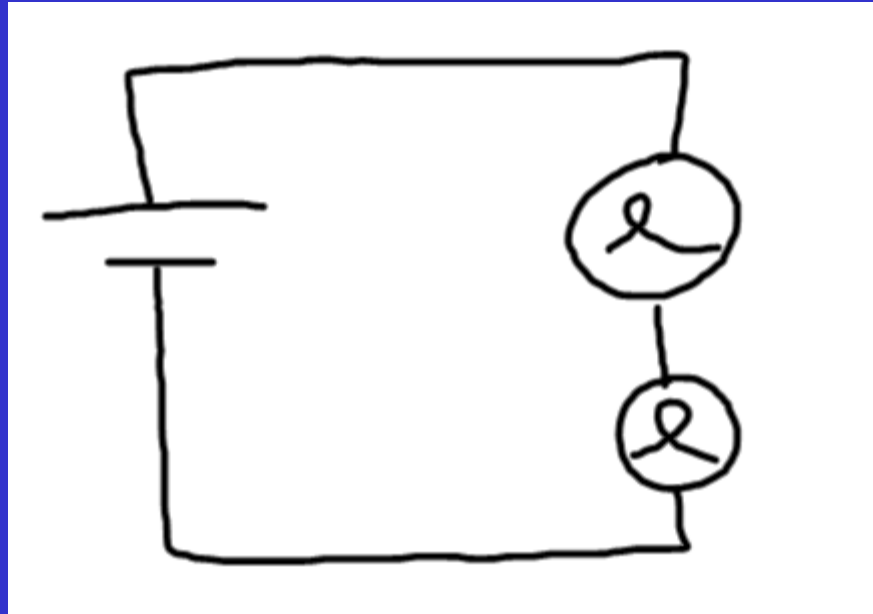
ANSWER

Fill in the _____ - \$500

Current is the _____ of
_____.

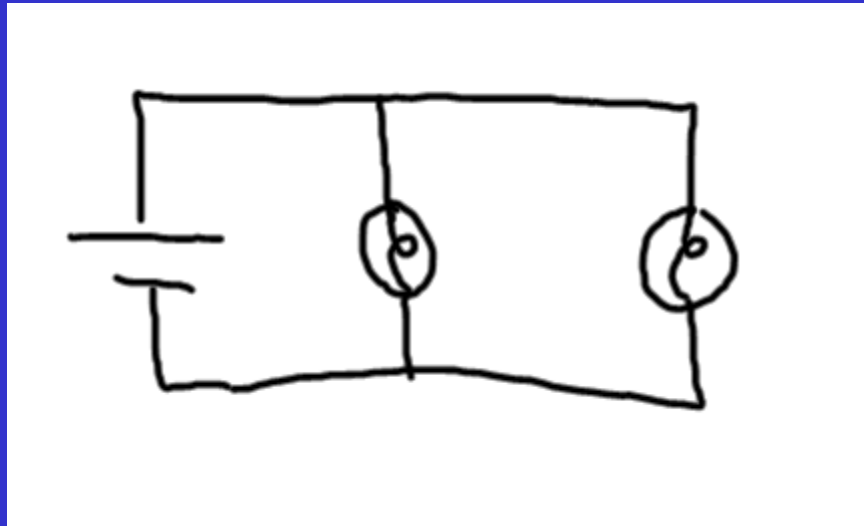
ANSWER

Series or Parallel- *\$100*



ANSWER

Series or Parallel- *\$200*



ANSWER

Series or Parallel- *\$300*

Lights get dimmer with
each one that is added.

ANSWER

Series or Parallel- *\$400*

Draws more
current, so it will
use up the battery
faster.

ANSWER

Series or Parallel- *\$500*

Adding more resistors means less total resistance for the circuit.

ANSWER

Magnets - *\$100*

What do magnets have instead of
“ + and – ” ?

ANSWER

Magnets - \$200

What can generate a magnetic field?

ANSWER

Magnets - \$300

In order to make an electromagnet, you need

- a. A battery, a nail, and a magnet.
- b. A battery, some wire, and a nail.
- c. A loop of wire, some tape, and a battery.
- d. A magnet, a nail, and some wire.
- e. None of the above.

ANSWER

Magnets - \$400

Which of the following react to a magnet?

- a. Copper
- b. Aluminum
- c. Steel
- d. All of the above

ANSWER

Magnets - \$500

I have built an electromagnet like we made in class. What could I do to make it a stronger magnet?

- a. Use a higher voltage battery
- b. Use more loops of wire (in the same direction)
- c. Both a & b
- d. None of the above

ANSWER

Solving Problems - \$100

4 A of current flow in a circuit with **3 ohms of resistance**. What is the **voltage** of the battery?

ANSWER

Solving Problems - \$200

The wall provides 120 V of voltage to a circuit creating 10 A of current. What is the resistance in the circuit?

ANSWER

Solving Problems - \$300

How much power does it take to create 5 A of current at 20 V?

ANSWER

Solving Problems - \$400

A 60-Watt light bulb plugged into a wall supplying 120 Volts draws how much current?

ANSWER

Solving Problems - \$500

The electric company charges 10 cents per kW*hr. How much does it cost to run a 2000-Watt stereo non-stop for one whole day?

ANSWER

*****Answers*****

Circuits - \$100



No:

Switch is open & bulb
only connected at bottom.

DONE

Circuits - \$200

In order to form a proper electric circuit, you need to have

- a. wires or conductors to connect everything.
- b. a voltage source.
- c. a light bulb or some resistance.
- d. a complete path for the current.
- e. all of the above**

DONE

Circuits - \$300

A light bulb is a kind of

- a. battery.
- b. resistor.**
- c. voltmeter.
- d. None of the above

DONE

Circuits - \$400

Current would decrease

DONE

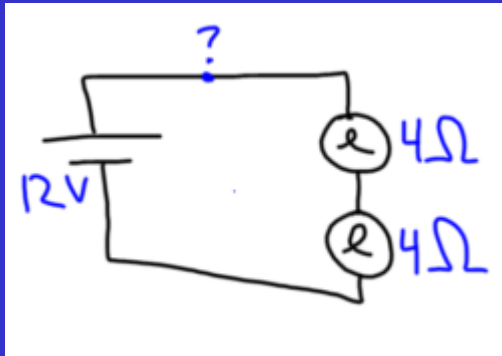
Circuits - \$500

Series: current same everywhere.

Series: resistors add up = 8 ohms

Ohm's Law: $I = V/R = 12V/8\text{ohms}$

$$= 1.5A$$



DONE

Fill in the _____ - \$100

dipoles

DONE

Fill in the _____ - \$200

one path

DONE

Fill in the _____ - \$300

**“opposition”
of “current”**

DONE

Fill in the _____ - \$400

**“more” than
“one path”**

DONE

Fill in the _____ - \$500

**“flow” of
“charge”**

DONE

Series or Parallel- *\$100*

Series

DONE

Series or Parallel- *\$200*

Parallel

DONE

Series or Parallel- *\$300*

Series

DONE

Series or Parallel- *\$400*

Parallel

DONE

Series or Parallel- *\$500*

Parallel

DONE

Magnets - *\$100*

**North and
South**

DONE

Magnets - \$200

Currents

(which is what magnets do too)

DONE

Magnets - \$300

In order to make an electromagnet, you need

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- b. A battery, some wire, and a nail.**
- c. A loop of wire, some tape, and a battery.
- d. A magnet, a nail, and some wire.
- e. None of the above.

DONE

Magnets - \$400

Which of the following react to a magnet?

- a. Copper
- b. Aluminum
- c. Steel**
- d. All of the above

DONE

Magnets - \$500

I have built an electromagnet like we made in class. What could I do to make it a stronger magnet?

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- b. Use more loops of wire (in the same direction)
- c. Both a & b**
- d. None of the above

DONE

Solving Problems - *\$100*

$$V = I * R$$

$$= 4 \text{ A} * 3 \Omega$$

$$= 12 \text{ Volts}$$

DONE

Solving Problems - \$200

$$R = V / I$$

$$= 120V / 10 A$$

$$= 12 \Omega$$

DONE

Solving Problems - \$300

$$P = I * V$$

$$= 5 \text{ A} * 20 \text{ V}$$

$$= 100 \text{ W}$$

DONE

Solving Problems - \$400

$$I = P / V$$

$$= 60W / 120V$$

$$= 0.5 \text{ Amps}$$

DONE

Solving Problems - \$500

1 day = 24 hours

2000 W = 2 kW

$\$.10 * 2 * 24 = \4.80

= 480 cents

DONE

**DAILY
DOUBLE**

CONTINUE

**DAILY
DOUBLE**

CONTINUE

Final Jeopardy

The Names of the Both Vice-Presidential Candidates.

Answer



Final Jeopardy

Election: 2008

Continue

Final Jeopardy

Answer

Question:

Who are Gov. Sarah
Palin and Sen.
Joseph Biden, Jr.

Directions for Changing the Game

- To change the questions and answers, just type over the problems...Use the “replace” feature to change the categories easily
- The daily doubles were originally set to category #4 for \$500 and category #2 for \$300
- To change the daily doubles you must
 - 1. Change the hyperlink for the links on the main board to go to the appropriate question, therefore bypassing the daily double slide
 - 2. Change the hyperlink on the continue button on each daily double slide to go to the new question.